Cass County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
2C:														
HIGGINSVILLE	0-9	---	---	22-27	1.30-1.50	4.23-14.11	0.21-0.24	0.0-2.9	3.0-4.0	.37	.37	5	6	48
	9-18	---	---	27-35	1.30-1.40	4.23-14.11	0.15-0.19	3.0-5.9	1.0-2.0	.37	.37			
	18-32	---	---	27-35	1.40-1.50	4.23-14.11	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			
	32-65	---	---	27-33	1.50-1.60	4.23-14.11	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			
5B:														
MACKSBURG	0-10	---	---	25-34	1.30-1.45	4.23-14.11	0.21-0.23	3.0-5.9	3.0-4.0	.32	.32	5	6	48
	10-58	---	---	36-42	1.35-1.40	1.41-4.23	0.18-0.20	6.0-8.9	2.0-3.0	.43	.43			
	58-72	---	---	30-38	1.40-1.45	4.23-14.11	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
6B:														
SHARPSBURG	0-12	---	---	27-34	1.30-1.35	4.23-14.11	0.21-0.23	3.0-5.9	3.0-4.0	.32	.32	5	7	38
	12-39	---	---	36-42	1.35-1.40	1.41-4.23	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
	39-60	---	---	28-32	1.40-1.45	4.23-14.11	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
7B:														
DEEPWATER	0-11	---	---	15-27	1.20-1.40	4.23-14.11	0.21-0.24	0.0-2.9	2.0-5.0	.32	.32	5	6	48
	11-16	---	---	18-32	1.25-1.45	4.23-14.11	0.18-0.22	0.0-2.9	0.5-1.0	.32	.32			
	16-62	---	---	27-35	1.40-1.60	4.23-14.11	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
7C:														
DEEPWATER	0-11	---	---	15-27	1.20-1.40	4.23-14.11	0.21-0.24	0.0-2.9	2.0-5.0	.32	.32	5	6	48
	11-16	---	---	18-32	1.25-1.45	4.23-14.11	0.18-0.22	0.0-2.9	0.5-1.0	.32	.32			
	16-62	---	---	27-35	1.40-1.60	4.23-14.11	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
8:														
PITS	0-60	---	---	---	---	---	0.00-0.00	---	---	---	---	--	8	0
9D:														
SNEAD	0-11	---	---	20-40	1.30-1.40	1.41-4.23	0.21-0.24	3.0-5.9	2.0-4.0	.32	.37	3	7	38
	11-38	---	---	40-60	1.25-1.35	0.42-1.41	0.12-0.14	6.0-8.9	0.5-1.0	.28	.32			
	38-50	---	---	---	---	0.42-1.41	---	---	0.0-0.5	---	---			

Cass County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
10D:														
SNEAD	0-14	---	---	20-40	1.30-1.40	1.41-4.23	0.14-0.18	3.0-5.9	2.0-4.0	.28	.37	3	8	0
	14-25	---	---	40-60	1.25-1.35	0.42-1.41	0.07-0.11	6.0-8.9	0.5-1.0	.32	.32			
	25-50	---	---	---	---	0.42-1.41	---	---	0.0-0.5	---	---			
ROCK OUTCROP	0-60	---	---	0-0	---	---	0.00-0.00	---	---	---	---	--	8	0
10F:														
SNEAD	0-14	---	---	20-40	1.30-1.40	1.41-4.23	0.14-0.18	3.0-5.9	2.0-4.0	.28	.37	3	8	0
	14-25	---	---	40-60	1.25-1.35	0.42-1.41	0.07-0.11	6.0-8.9	0.5-1.0	.32	.32			
	25-50	---	---	---	---	0.42-1.41	---	---	0.0-0.5	---	---			
ROCK OUTCROP	0-60	---	---	0-0	---	---	0.00-0.00	---	---	---	---	--	8	0
11C:														
GREENTON	0-16	---	---	27-40	1.30-1.45	1.41-4.23	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	3	7	38
	16-60	---	---	35-50	1.35-1.50	0.42-1.41	0.11-0.15	6.0-8.9	0.0-1.0	.37	.37			
13B:														
SAMPSEL	0-14	---	---	25-35	1.30-1.50	1.41-4.23	0.21-0.24	3.0-5.9	3.0-4.0	.37	.37	4	7	38
	14-60	---	---	35-60	1.40-1.60	0.42-1.41	0.11-0.13	6.0-8.9	0.5-1.0	.37	.37			
13C:														
SAMPSEL	0-14	---	---	25-35	1.30-1.50	1.41-4.23	0.21-0.24	3.0-5.9	3.0-4.0	.37	.37	4	7	38
	14-60	---	---	35-60	1.40-1.60	0.42-1.41	0.11-0.13	6.0-8.9	0.5-1.0	.37	.37			
14B:														
BARCO	0-7	---	---	10-25	1.20-1.45	14.11-42.33	0.16-0.21	0.0-2.9	1.0-3.0	.32	.32	3	5	56
	7-30	---	---	18-35	1.40-1.60	4.23-14.11	0.12-0.16	3.0-5.9	0.5-1.0	.28	.32			
	30-41	---	---	---	---	1.41-4.23	---	---	---	---	---			
	41-51	---	---	---	---	1.41-14.11	---	---	---	---	---			

Cass County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
17B:														
POLO	0-14	---	---	22-30	1.10-1.40	4.23-14.11	0.22-0.24	0.0-2.9	2.0-5.0	.32	.32	5	6	48
	14-29	---	---	27-35	1.20-1.40	4.23-14.11	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
	29-35	---	---	34-42	1.20-1.40	4.23-14.11	0.12-0.18	3.0-5.9	0.5-1.0	.32	.32			
	35-60	---	---	35-50	1.40-1.60	4.23-14.11	0.10-0.12	6.0-8.9	0.0-0.5	.32	.32			
17C:														
POLO	0-14	---	---	22-30	1.10-1.40	4.23-14.11	0.22-0.24	0.0-2.9	2.0-5.0	.32	.32	5	6	48
	14-29	---	---	27-35	1.20-1.40	4.23-14.11	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
	29-35	---	---	34-42	1.20-1.40	4.23-14.11	0.12-0.18	3.0-5.9	0.5-1.0	.32	.32			
	35-60	---	---	35-50	1.40-1.60	4.23-14.11	0.10-0.12	6.0-8.9	0.0-0.5	.32	.32			
18B:														
SUMMIT	0-15	---	---	27-45	1.25-1.50	1.41-4.23	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	4	86
	15-20	---	---	32-45	1.35-1.65	1.41-4.23	0.10-0.18	6.0-8.9	1.0-2.0	.37	.37			
	20-42	---	---	40-60	1.35-1.60	0.42-1.41	0.10-0.18	6.0-8.9	1.0-2.0	.32	.32			
	42-64	---	---	35-55	1.40-1.65	0.42-1.41	0.10-0.18	6.0-8.9	0.5-1.0	.32	.37			
18C:														
SUMMIT	0-15	---	---	27-45	1.25-1.50	1.41-4.23	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	4	86
	15-20	---	---	32-45	1.35-1.65	1.41-4.23	0.10-0.18	6.0-8.9	1.0-2.0	.37	.37			
	20-42	---	---	40-60	1.35-1.60	0.42-1.41	0.10-0.18	6.0-8.9	1.0-2.0	.32	.32			
	42-64	---	---	35-55	1.40-1.65	0.42-1.41	0.10-0.18	6.0-8.9	0.5-1.0	.32	.37			
19B:														
WELLER	0-11	---	---	16-27	1.35-1.45	4.23-14.11	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	11-43	---	---	28-48	1.35-1.50	0.42-1.41	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
	43-62	---	---	28-40	1.40-1.55	1.41-4.23	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
19C2:														
WELLER	0-11	---	---	16-27	1.35-1.45	4.23-14.11	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	11-43	---	---	28-48	1.35-1.50	0.42-1.41	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
	43-62	---	---	28-40	1.40-1.55	1.41-4.23	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

Cass County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
22C:														
OSKA	0-18	---	---	20-40	1.30-1.40	1.41-4.23	0.18-0.20	3.0-5.9	1.0-3.0	.37	.37	2	7	38
	18-36	---	---	35-50	1.35-1.45	0.42-1.41	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37			
	36-46	---	---	---	---	0.00-4.23	---	---	---	---	---			
28D:														
COWETA	0-8	---	---	15-26	1.30-1.55	14.11-42.33	0.09-0.16	0.0-2.9	0.5-1.0	.32	.37	2	6	48
	8-19	---	---	10-30	1.45-1.70	4.23-14.11	0.09-0.18	0.0-2.9	0.0-1.0	.28	.37			
	19-46	---	---	---	1.85-2.35	1.41-4.23	---	---	---	---	---			
29D:														
NORRIS	0-9	---	---	10-27	1.35-1.50	4.23-14.11	0.17-0.21	0.0-2.9	1.0-2.0	.32	.37	2	5	56
	9-15	---	---	10-30	1.35-1.50	4.23-14.11	0.12-0.19	0.0-2.9	0.5-1.0	.24	.43			
	15-26	---	---	---	---	0.42-1.41	---	---	---	---	---			
32:														
FREEBURG	0-17	---	---	12-25	1.20-1.45	4.23-14.11	0.22-0.24	0.0-2.9	0.5-2.0	.37	.37	5	6	48
	17-41	---	---	27-35	1.40-1.50	4.23-14.11	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
	41-60	---	---	27-35	1.40-1.50	1.41-4.23	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
33:														
ZOOK	0-20	---	---	35-40	1.30-1.35	1.41-4.23	0.21-0.23	6.0-8.9	5.0-7.0	.37	.37	5	7	38
	20-52	---	---	36-45	1.30-1.45	0.42-1.41	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
	52-72	---	---	20-45	1.30-1.45	0.00-4.23	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28			
34:														
BLACKOAR	0-16	---	---	18-27	1.35-1.45	4.23-14.11	0.20-0.24	0.0-2.9	2.0-4.0	.28	.28	5	6	48
	16-60	---	---	18-27	1.35-1.45	4.23-14.11	0.20-0.22	0.0-2.9	0.5-1.0	.43	.43			
36:														
BREMER	0-16	---	---	25-32	1.25-1.30	4.23-14.11	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32	5	7	38
	16-47	---	---	35-42	1.30-1.40	1.41-4.23	0.15-0.17	6.0-8.9	1.0-2.0	.43	.43			
	47-60	---	---	32-38	1.40-1.45	1.41-4.23	0.18-0.20	6.0-8.9	0.5-1.0	.43	.43			

Cass County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
37:														
MONITEAU	0-8	---	---	18-27	1.20-1.40	4.23-14.11	0.21-0.23	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	8-14	---	---	18-27	1.20-1.40	4.23-14.11	0.20-0.22	0.0-2.9	0.5-1.0	.43	.43			
	14-69	---	---	27-35	1.30-1.50	1.41-4.23	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
40:														
HAIG	0-10	---	---	22-27	1.35-1.40	4.23-14.11	0.22-0.24	3.0-5.9	3.0-4.0	.37	.37	3	6	48
	10-20	---	---	28-48	1.30-1.35	4.23-14.11	0.21-0.23	6.0-8.9	1.0-2.0	.37	.37			
	20-37	---	---	40-50	1.30-1.45	0.42-1.41	0.12-0.14	6.0-8.9	0.0-1.0	.32	.32			
	37-60	---	---	28-40	1.40-1.50	1.41-4.23	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
47C:														
MANDEVILLE	0-8	---	---	12-27	1.35-1.45	4.23-14.11	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	8-23	---	---	20-32	1.30-1.40	4.23-14.11	0.14-0.20	0.0-2.9	0.5-1.0	.37	.43			
	23-30	---	---	20-32	1.30-1.40	4.23-14.11	0.12-0.18	0.0-2.9	0.0-0.5	.37	.43			
	30-36	---	---	---	---	0.42-1.41	---	---	---	---	---			
49D:														
ERAM	0-19	---	---	27-32	1.30-1.60	1.41-4.23	0.15-0.19	3.0-5.9	1.0-3.0	.37	.37	3	7	38
	19-35	---	---	35-55	1.35-1.65	0.42-1.41	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37			
	35-63	---	---	---	1.85-2.35	0.42-1.41	---	---	---	---	---			
51B:														
KENOMA	0-8	---	---	18-27	1.35-1.45	1.41-4.23	0.22-0.24	0.0-2.9	2.0-4.0	.43	.43	5	6	48
	8-60	---	---	40-60	1.40-1.50	0.01-0.42	0.10-0.15	6.0-8.9	1.0-2.0	.32	.32			
51C:														
KENOMA	0-8	---	---	18-27	1.35-1.45	1.41-4.23	0.22-0.24	0.0-2.9	2.0-4.0	.43	.43	5	6	48
	8-60	---	---	40-60	1.40-1.50	0.01-0.42	0.10-0.15	6.0-8.9	1.0-2.0	.32	.32			
52C:														
NOWATA	0-7	---	---	15-27	1.30-1.50	4.23-14.11	0.15-0.22	0.0-2.9	1.0-3.0	.37	.37	2	6	48
	7-14	---	---	20-32	1.40-1.70	4.23-14.11	0.11-0.16	0.0-2.9	---	.37	.37			
	14-23	---	---	27-35	1.45-1.75	1.41-4.23	0.08-0.12	3.0-5.9	---	.32	.32			
	23-49	---	---	27-35	1.45-1.75	1.41-4.23	0.08-0.12	3.0-5.9	---	.32	.32			
	49-53	---	---	---	---	---	---	---	---	---	---			

Cass County, Missouri
Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
62B:														
MACKSBURG	0-19	---	---	25-34	1.30-1.45	4.23-14.11	0.21-0.23	3.0-5.9	3.0-4.0	.32	.32	5	6	48
	19-58	---	---	36-42	1.35-1.40	1.41-4.23	0.18-0.20	6.0-8.9	2.0-3.0	.43	.43			
	58-72	---	---	30-38	1.40-1.45	4.23-14.11	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
URBAN LAND	---	---	---	---	---	---	---	---	---	---	---	--	---	---
93:														
VERDIGRIS	0-13	---	---	15-27	1.30-1.40	4.23-14.11	0.20-0.24	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	13-61	---	---	18-35	1.40-1.65	4.23-14.11	0.17-0.22	3.0-5.9	---	.32	.32			
AED:														
ARENTS, EARTHEN DAM	---	---	---	---	---	---	---	---	---	---	---	--	---	---
M-W:														
WATER	---	---	---	---	---	---	---	---	---	---	---	--	---	---
W:														
WATER	---	---	---	---	---	---	---	---	---	---	---	--	---	---